

Hamilton County LiDAR/Elevation Project Summary

Project Sponsor: Hamilton County, TN, NGA/USGS

Project Area: Hamilton County (576 sq. miles) and 84 square miles in North GA (NGA area)

Acquisition Dates: Spring 2011

Technical Summary:

Nominal Point Spacing – 0.9 meters (single pass – first pulse)
0.68 meters (NGA Area)

Vertical Accuracy – suitable for 2 foot contours

Horizontal Accuracy – n/a

Vertical Datum: NAVD88

Horizontal Datum: NAD83

Coordinate System: TN State Plane/U.S. Survey Feet

Tiling Scheme: 2000 ft x 3500 ft (State Grid) for DEMS

Products:

1. Raw and calibrated 3D point cloud in LAS format (per USGS version 13 specs)
2. DEMs (raster format) (Tiles intersecting Flood boundary)
3. DSMs (Tiles intersecting Flood boundary)
4. Intensity Images
5. Breaklines (Tiles intersecting Flood boundary)
6. Esri geodatabase (2 ft contour interval)
7. Metadata

